

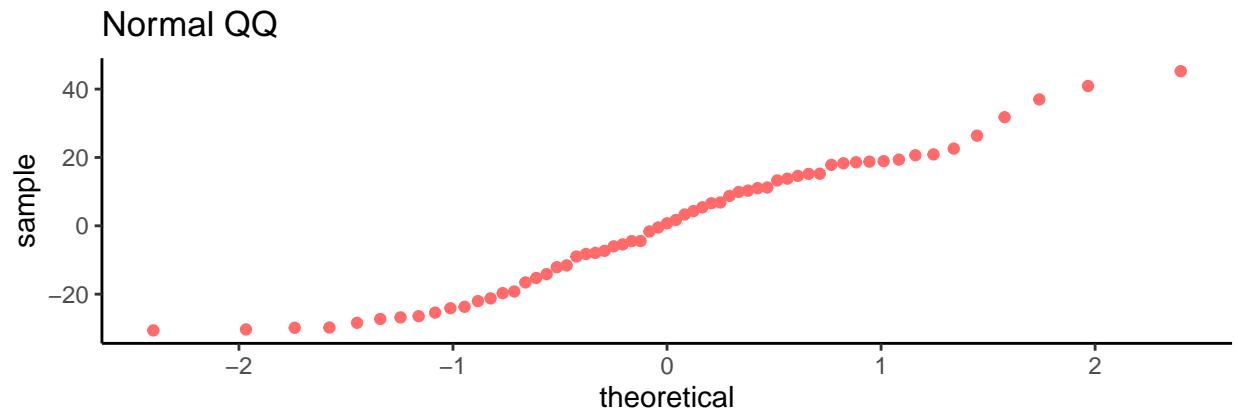
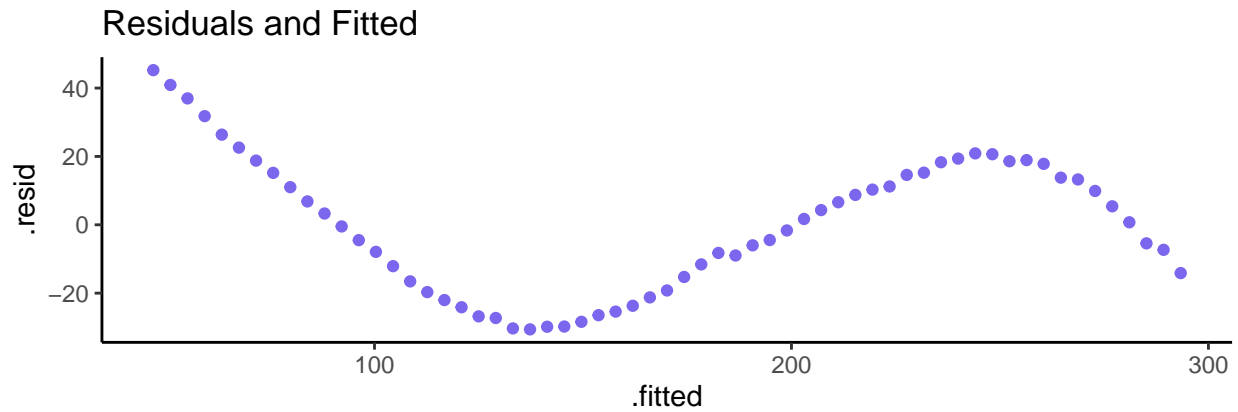
# HW3\_poz3615

Piper Zimmerman

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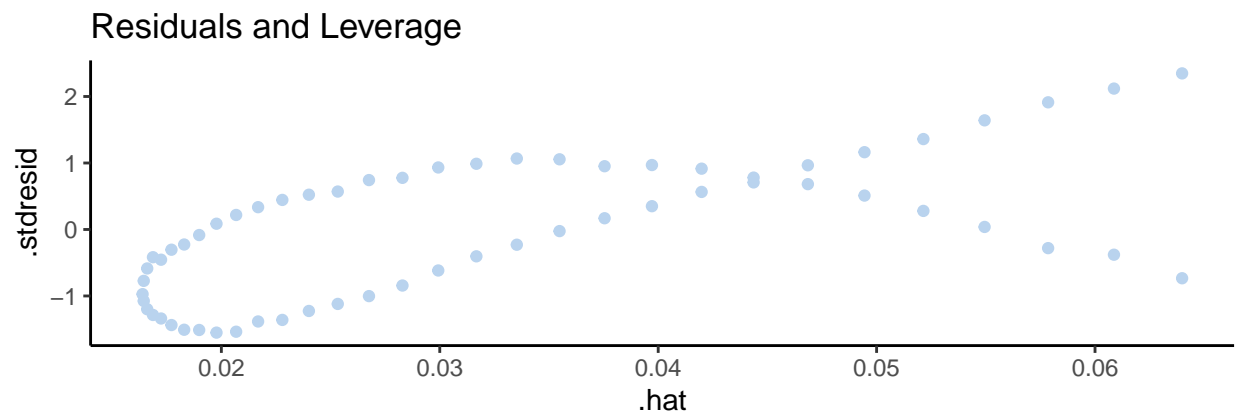
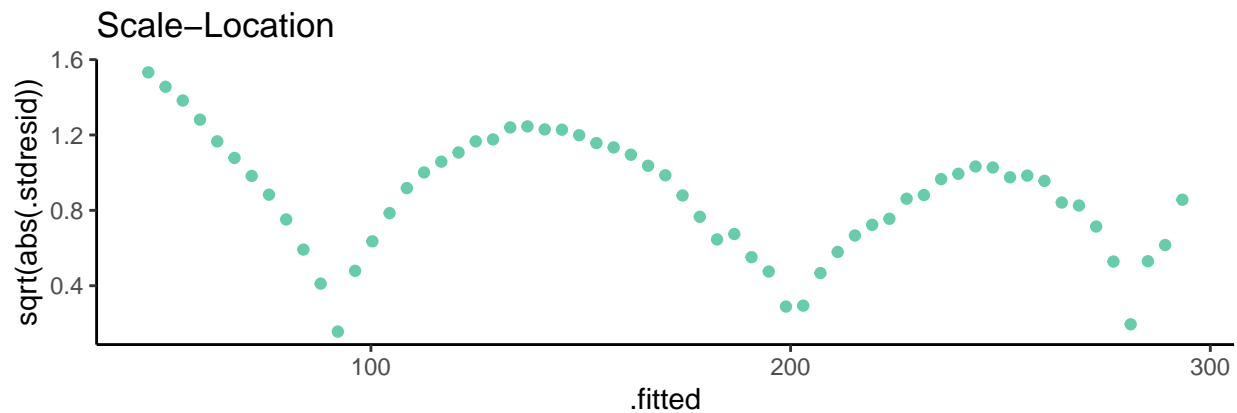
```
## Using libcurl 7.64.1 with LibreSSL/2.8.3
```

```
## $^1`
```



```
##
```

```
## $^2`
```



```
##
## attr(,"class")
## [1] "list"      "ggarrange"
```

## Appendix

```
library(data.table)
library(curl)
library(ggplot2)
library(ggpubr)

covid_raw <- fread("https://opendata.ecdc.europa.eu/covid19/casedistribution/csv")
us <- covid_raw[covid_raw$countriesAndTerritories == 'United_States_of_America',]
us_filtered <- us[us$month %in% c(6:7),]
us_filtered$index <- rev(1:dim(us_filtered)[1])
fit<-lm(`Cumulative_number_for_14_days_of_COVID-19_cases_per_100000`~index, data=us_filtered)

## augment the data as previous
library(broom)
fit.diags <- broom::augment(fit)
plot1<-ggplot(fit, aes(x = .fitted, y = .resid)) + geom_point(color='slateblue2')+theme_classic()+labs(
plot2<-ggplot(fit, aes(sample=.resid))+stat_qq(color='indianred1')+theme_classic()+labs(title="Normal Q
plot3<-ggplot(fit, aes(.fitted, sqrt(abs(.stdresid))))+geom_point(color='aquamarine3')+theme_classic()+
plot4<-ggplot(fit, aes(.hat, .stdresid))+geom_point(color='slategray2')+theme_classic()+labs(title="Res
ggarrange(plot1,plot2,plot3,plot4,nrow=2)
```